

**To:** McKaughan, Colleen[McKaughan.Colleen@epa.gov]  
**From:** Don't Waste Arizona  
**Sent:** Thur 9/10/2015 4:14:22 PM  
**Subject:** Fw: Fwd: Observation about the Odors

**From:** Linda Butler  
**Sent:** Thursday, September 10, 2015 5:53 AM  
**To:** Mike Wirth ; Steve Brittle-DWAZ ; Dan Blackson ; Danielle SRAP Diamond ; Genell - SRAP Pridgen  
**Subject:** Fwd: Observation about the Odors

**I thought you might be interested in this info from Steve Love. His property is located in a direct line west of the Arlington plant and he is very vocal with his complaints to the county.**

**Linda Butler**

**----- Forwarded message -----**

**From:** Steven Love <[stevenplove@gmail.com](mailto:stevenplove@gmail.com)>  
**Date:** Fri, Sep 4, 2015 at 12:47 PM  
**Subject:** Fwd: Observation about the Odors  
**To:** Linda Butler <[linda.butler2014@gmail.com](mailto:linda.butler2014@gmail.com)>  
**Cc:** Linda Nana Davis <[ldavis53@aol.com](mailto:ldavis53@aol.com)>, STOPP <[stopp.help.tonopah@gmail.com](mailto:stopp.help.tonopah@gmail.com)>

Hello Linda Butler and Linda Davis.

I wanted to forward the following message to both Linda Butler and Linda Davis, just in case one of you cannot check emails on a regular basis. I have also forwarded this message to the STOPP email just in case other people monitor the STOPP email.

The message below is an observation I made about Hickman's Arlington plant emissions and how it is affected by heavy rain.

Shannon from Maricopa Air Quality replied thanking me and said he will send it to their records office in regards to Hickman's.  
If you note, Hickman's permit number is included with Shannon's reply.

Hopefully my observations and their reply will be of use to your organization.

Any questions let me know.

Steven P. Love  
[stevenplove@gmail.com](mailto:stevenplove@gmail.com)

**Ex. 6 - Personal Privacy**

Begin forwarded message:

From: Shannon Klimek - AQDX <[Klimeks@mail.maricopa.gov](mailto:Klimeks@mail.maricopa.gov)>  
Subject: RE: Observation about the Odors  
Date: September 4, 2015 12:20:56 PM MST  
To: Steven Love <[stevenplove@gmail.com](mailto:stevenplove@gmail.com)>  
Cc: Bryan Mandalfino - AQDX <[BryanMandalfino@mail.maricopa.gov](mailto:BryanMandalfino@mail.maricopa.gov)>

Steven, Thank you wholeheartedly for your observations. I will forward your observation to Records for inclusion into the public record ancillary to Hickman's Arlington facility (Permit 040136).

The Air Quality Department strives to provide excellent customer service to residents of Maricopa County.

How are we doing? [Send us your feedback.](#)

Sincerely,

Shannon Klimek  
Air Quality Inspector, Badge #92  
Maricopa County Air Quality Department  
1001 N. Central Avenue, #125 | Phoenix, AZ 85004  
*Located at the Central Ave. & Roosevelt METRO stop*  
Cell 602.527.6288 | [CleanAirMakeMore.com](http://CleanAirMakeMore.com)



From: Steven Love [mailto:[stevenplove@gmail.com](mailto:stevenplove@gmail.com)]  
Sent: Friday, September 04, 2015 12:13 PM  
To: Shannon Klimek - AQDX  
Subject: Observation about the Odors

Hello Shannon.

I am contacting you directly instead of using the complaint form because this is not a complaint, it is an observation about the emissions from Hickman's.

Yesterday, after a large storm passed over Hickman's, I noticed that the manure smells virtually disappeared even though the wind was coming from the direction of his Arlington plant.

From approximately 5pm yesterday until 11am this morning I could not smell any significant manure odors even though there was a steady breeze coming from the

direction of Hickman's Arlington plant.

The smell did return after 11am, but it was not as strong as it normally was.

One thing I do know as a fact is that these noxious odors I regularly complain about are caused by digestive acids and enzymes still present in the manure when it is piled up outside the plant. The piling up of the manure concentrates the acids even more creating these pungent emissions I smell at night when the air is calm or if there is a breeze coming from the factory.

When the smell disappeared after the heavy rain it occurred to me that perhaps the rain washed many of these acids out of the surface layers of the manure piles. This would also explain why I did not smell any manure last night even though there was a steady wind from the direction of Hickman's plant.

I did some googling and found that some of these emissions, such as Indole, Skatole, Valeric Acid, Isovaleric Acid, and ammonia, can damage lung tissue if the concentrations get high enough in the local area. That is why I feel that my throat is burning when I am awakened by these smells, and I also worry that my health might be affected with repeated exposure to these emissions since I cannot easily shield my house from them.

What I would like to convey is that perhaps it is possible to wash the manure before it is piled up outside.

If these acids and enzymes can be removed or reduced in the manure before it is piled up to dry then perhaps these emissions would be reduced as well.

I know it is only a theory, but it is based upon the observation of the odors going away after heavy rains over this area. So, if the manure was washed it might have the same effect that a heavy rain does.

Just my thoughts on this issue.

On a side note, I have also noticed very acidic rain water coming off of my roof. Because my home is solar powered and I use Lead Acid batteries to store the power for night-time use, I harvest rain water to use in my batteries.

I have noticed in the last several rains that the water coming off of my roof is yellow, almost the same color as urine, and is so acidic that it fizzes like soda pop if the bottle I store it in is shaken. The acidic water will not hurt my batteries, since my batteries actually need acid to operate properly, but it does concern me because if this acid water is being caused by manure dust settling on my roof then this could also be a health issue that needs addressing.

If you have any questions or any thoughts on this issue please let me know.

Steven P. Love

[stevenplove@gmail.com](mailto:stevenplove@gmail.com)

**Ex. 6 - Personal Privacy**

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Linda Butler  
STOPP Chairman  
805-452-5450

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